Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/799,404              | FU, JIAN-MIN                            |
| Examiner                | Art Unit                                |

|   | Rejected | _ | (Through numeral)<br>Cancelled |
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| 1 | Interference |  |

Kahsay Habte, Ph. D.

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| Final               | Original | so/ <del>-</del> 2/                              |          |               |          |          |          |          |           |           | Final  | Original |                 | -             | 1             |        |  |          |        |          | Final          | Original   |                |          |          |          |          |          |                   |           |           |
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|                     |          | 19   |          | $\perp$       |          | $\perp$  | $\Box$   | $\perp$  |           |           |  |          |                 | $\perp$       | $\perp$       | ┷      |  | $\bot$   | $\bot$ |          |                |            |                |          | 4        |          | _        | _        | 4                 | $\dashv$  | Ц         |
|                     | 1        | J  |          |               |          |          |          | _        | _         | _         |  | 51       |                 |               |               |        | Ш  | _        | $\bot$ |          |                | 101        |                |          | $\perp$  |          | _        | _        | 4                 | 4         | _         |
|                     | 2        |  |          |               |          |          | $\perp$  | $\perp$  | $\perp$   | _         |  | 52       |                 | _             |               |        |  |          | $\bot$ |          |                | 102        |                |          | 4        | _        | _        | $\dashv$ | 4                 | 4         | _         |
|                     | 3        |  | Ш        | $\perp$       | _        |          |          | _        | _         | _         |  | 53       |                 | $\perp$       | _             | ᆚ_     | Ш  |          | $\bot$ |          |                | 103        |                | $\perp$  | 4        | 4        | _        | _        | 4                 | 4         | _         |
|                     | 4        | L  | Ш        |               | _        | _        | _        | _        | $\perp$   | _         |  | 54       | $\Box$          | _             |               | 4_     | Ш  | $\perp$  |        |          |                | 104        | $\Box$         |          | 4        | _        | _        | _        | 4                 | 4         | ᅴ         |
|                     | 5        | Щ  | $\Box$   |               | _        | _        | _        | 4        |           | _         |  | 55       | _               | _             | _             |        | $\sqcup$   |          | 44     |          |                | 105        |                |          | $\perp$  | $\dashv$ | _        | 4        | $\dashv$          | 4         | _         |
| $ \longrightarrow $ | 6        | Щ  |          | _             |          | _        | 4        | _        | _         | _         |  | 56       | _               | _             |               | ┵      | $\vdash \vdash$                                  | +        | $\bot$ |          |                | 106        | $\dashv$       |          | -        | -        |          | -        | $\dashv$          | 4         | _[        |
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| Ш                   | 10       | Щ  |          | $\dashv$      | 4        | _        | -        |          | -         | 4         |  | 60       | _               |               | +             | +      | $\vdash \vdash$                                  | +        | 4-     |          |                | 110        | Н              | $\vdash$ | 4        | -        | $\dashv$ | 4        | -                 | $\dashv$  | $\dashv$  |
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| $\vdash$            | 15       | ¥  |          | $\dashv$      | 4        |          | $\dashv$ | -        | +         | 4         | <u> </u>   | 65       | $\vdash \vdash$ | $\dashv$      | +             | +      | <del>                                     </del> | +        | -      |          |                | 115        | $\vdash$       |          | +        | $\dashv$ | -        | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
| $\vdash$            | 16       | _  | Щ        |               | 4        | -        | $\dashv$ | +        | +         | 4         |  | 66       |                 | $\dashv$      | +             | +      |  | +        | +-     |          |                | 116        | $\vdash$       | $\vdash$ | +        | $\dashv$ | -        | $\dashv$ | $\dashv$          | -         | ᅴ         |
| $\vdash \vdash$     | 17       | $\vdash$   | $\vdash$ |               | 4        |          | 4        | $\dashv$ | +         | $\dashv$  | <u> </u>   | 67       |                 | $\dashv$      | +             | +      |  | +        | +      |          |                | 117        | $\vdash$       |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | +                 | $\dashv$  | $\dashv$  |
|                     | 18       | ļ  | Н        | -             | $\dashv$ | -        |          | -        |           | -         |  | 68       |                 |               |               |        |  | -        |        |          | _              | 118        | _              |          | +        | -        | -        |          | $\dashv$          | $\dashv$  | $\dashv$  |
| -                   | 19       | <u> </u>   | Н        | $\rightarrow$ | -        | _        | -        | -        | +         | -         | <u> </u>   | 69       |                 | $\rightarrow$ | -             | +      |  | +        |        |          |                | 119        | _              | ┝╼┼      | $\dashv$ | -        | -        |          | $\dashv$          | $\dashv$  | ᅱ         |
|                     | 20       | -  | Н        | -             |          | -        |          | $\dashv$ | -+        | -         | <u> </u>   | 70       |                 | $\dashv$      | +             | +      | -  |          | +      |          | <u> </u>       | 120<br>121 |                | $\vdash$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
| $\vdash$            | 21       | -  |          | +             | -        | -        | $\dashv$ | $\dashv$ | +         | $\dashv$  | <u> </u>   | 71       | -               | $\dashv$      | -             | +      | H  |          |        | <b> </b> | <u> </u>       | 122        |                | $\vdash$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
|                     | 22       | _  | Н        | -+            | -        | -+       | -+       | -        | -+        | -         |  | 72       | -               | $\dashv$      | +             | +      |  | -        | +      |          |                | 123        |                | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
|                     | 23       | <u> </u>   | Н        | $\dashv$      | -        | -        | $\dashv$ | +        | +         | $\dashv$  |  | 73<br>74 | Н               | $\dashv$      | +             | +      | ╁  |          | +      |          |                | 123        | H              | $\vdash$ | $\dashv$ | $\dashv$ |          | -        | $\dashv$          | $\dashv$  | $\dashv$  |
|                     | 24       | _  | Н        | $\dashv$      |          | -        | -        | $\dashv$ | $\dashv$  | $\dashv$  |  | 75       |                 | -             | +             | +      | $\vdash$   | +        |        |          |                | 125        |                | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$          | $\dashv$  | $\dashv$  |
| <b></b>             | 25       | H  | $\vdash$ | $\dashv$      | -        |          | +        | $\dashv$ | +         | $\dashv$  |  | 76       | -               |               | $\rightarrow$ | +      | ╌┼   | +        | +      |          | <u></u>        | 126        |                | ┝╾┼      | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
| $\vdash$            | 26<br>27 | ⊢  | Н        | $\dashv$      | -        | $\dashv$ |          | $\dashv$ | +         | $\dashv$  | -  | 77       | -               | $\dashv$      | +             | +      | $\vdash$   |          | +-     |          |                | 127        | _              | $\vdash$ | $\dashv$ | ╛        | $\dashv$ |          | $\dashv$          | $\dashv$  | $\dashv$  |
|                     | 28       | -  | Н        | $\dashv$      | -        | $\dashv$ |          | $\dashv$ | -+        | $\dashv$  | <u> </u>   | 78       | $\dashv$        | -+            |               | +      | $\vdash$   |          | $+\!-$ |          | <del></del>    | 128        | $\vdash$       | $\vdash$ | $\dashv$ | $\dashv$ |          | ┪        | $\dashv$          | $\dashv$  | $\dashv$  |
|                     | 29       | -  |          | $\dashv$      | -        | -        | $\dashv$ | $\dashv$ |           | ⊣         | <u> </u>   | 79       | $\dashv$        | $\dashv$      | $\dashv$      | +-     | $\vdash$   | -        | ╁      |          | ļ              | 129        |                | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  | -         |
| $\vdash$            | 30       | ⊢  |          | $\dashv$      | -        |          | $\dashv$ | -        | +         | $\dashv$  | <del></del>                                      | 80       | $\vdash$        | -             |               | +      | $\vdash$   |          | +      |          | <del></del>    | 130        | H              | H        | $\dashv$ | +        | $\dashv$ | -        | $\dashv$          | $\dashv$  | $\dashv$  |
| $\vdash$            | 31       |  | Н        | $\dashv$      | -        | +        | $\dashv$ | -        | +         | $\dashv$  |  | 81       | $\vdash$        | -             | -             | +      | $\vdash$   | +        | +      |          | <del>  .</del> | 131        | H              | $\vdash$ | $\dashv$ | -        | ┪        | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
| $\vdash$            | 32       | $\vdash$   | Н        | +             | $\dashv$ | -        | $\dashv$ | $\dashv$ | +         | $\dashv$  | <del></del>                                      | 82       |                 |               | +             | +      | $\vdash$   |          | +      | liiii    | <u> </u>       | 132        | ┝              | $\vdash$ | $\dashv$ | $\dashv$ | ᅥ        | $\dashv$ | $\dashv$          | $\dashv$  | -         |
| $\vdash$            | 33       |  |          | $\dashv$      | -        | -        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | <del>                                     </del> | 83       |                 | -+            |               | +-     | <del>   </del>                                   |          | +      |          | -              | 133        |                | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  | $\dashv$  |
| $\vdash\vdash$      | 34       | $\vdash$   | $\vdash$ | $\dashv$      | -        | $\dashv$ | $\dashv$ | -+       | $\dashv$  | ╣         | <u> </u>   | 84       | H               | $\vdash$      | +             | +      |  | +        | +      | 1        |                | 134        |                | $\vdash$ | $\dashv$ | -        | -        | $\dashv$ | $\dashv$          | $\dashv$  | ᅥ         |
| $\vdash$            | 35       | $\vdash$   | $\vdash$ | $\dashv$      | 7        | -        | $\dashv$ | -        | $\dashv$  | $\dashv$  | -  | 85       | Н               | $\dashv$      | $\top$        | +      |  | +        | $\top$ | 1        |                | 135        | 1              | $\vdash$ | +        | $\dashv$ | $\dashv$ | $\neg$   | 7                 | 7         |           |
|                     | 36       | $\vdash$   | H        | $\dashv$      | ᅥ        | $\dashv$ | -1       | $\dashv$ | +         | $\dashv$  |  | 86       | Н               | $\Box$        | $\dashv$      | +      | $\vdash$   | +        | $\top$ | 1        |                | 136        | H              | $\vdash$ | $\dashv$ | ᅥ        | $\dashv$ | $\neg$   | $\dashv$          | 十         | $\dashv$  |
|                     | 37       | <del>                                     </del> | Н        | +             | $\dashv$ | +        | $\dashv$ | 一        | +         | $\dashv$  | <b></b>  | 87       | Н               | $\vdash$      | $\dashv$      | +      | $\vdash$   | +        |        | 1        | _              | 137        |                | $\vdash$ | 寸        | 7        | ᅥ        | 一        | 一                 | 一         | $\neg$    |
| $\vdash$            | 38       | $\vdash$   | Н        | $\dashv$      | -        | $\dashv$ | $\dashv$ | 一        | $\dashv$  | $\dashv$  | <b> </b>   | 88       | $\vdash$        | $\vdash$      | $\dashv$      | $\top$ | 1-1  | $\dashv$ |        | 1        | <u> </u>       | 138        | <u> </u>       | $\vdash$ |          | ᅥ        | $\dashv$ | 寸        | $\dashv$          | 一         | $\neg$    |
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|                     | 41       | <del> </del>                                     | $\vdash$ | 十             | 寸        | _        | 寸        | _        | 十         | 1         |  | 91       | Н               | 1             | 十             | $\top$ | $\vdash$   | $\top$   |        | 1        |                | 141        | Г              | $\Box$   | 7        | _        |          | $\neg$   |                   | $\dashv$  | $\neg$    |
| $\Box$              | 42       | H  | П        | 寸             | _        | $\dashv$ | 一        | _        | $\dashv$  | $\dashv$  | <b>—</b>   | 92       | П               |               | 十             | 十      | $\sqcap$   | $\top$   |        | 1::::    |                | 142        |                | $\Box$   | 7        | $\dashv$ |          | $\neg$   | 一                 | $\dashv$  | $\exists$ |
|                     | 43       | Г  | М        | 一             | 7        | ヿ        | 一        | _        | 十         | $\dashv$  |  | 93       | П               | $\Box$        | $\neg$        | 1      | $\sqcap$   | $\top$   |        |          |                | 143        | $I^{-}$        |          | 7        | $\neg$   |          | $\neg$   | $\Box$            | $\neg$    |           |
|                     | 44       | Г  | П        | 寸             | $\dashv$ | $\neg$   | 寸        | 寸        |           |           |  | 94       | П               |               |               | $\top$ |  |          |        | ]        |                | 144        |                |          | 寸        |          |          |          | ╛                 |           |           |
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| П                   | 47       | Π  | П        |               | $\dashv$ | 寸        | $\dashv$ | $\neg$   | $\top$    | $\neg$    |  | 97       | П               |               | $\dashv$      |        | $\Box$   | $\top$   |        | ]        |                | 147        |                |          |          |          |          |          | $\Box$            | ╗         | _         |
|                     | 48       | Π  |          |               |          | $\neg$   | $\neg$   |          | $\exists$ | $\exists$ |  | 98       | П               |               | $\neg$        |        | П  |          |        | ]        |                | 148        |                |          |          |          |          |          |                   | $\Box$    |           |
|                     | 49       |  | П        | $\neg$        | 寸        |          | $\neg$   |          | $\dashv$  |           |  | 99       |                 |               | $\Box$        |        |  |          | $\top$ | ]        |                | 149        |                |          |          |          |          |          | ╛                 |           |           |
|                     | 50       |  |          |               |          |          |          |          |           |           |  | 100      |                 |               |               |        |  |          |        | ]!!!!    |                | 150        |                |          |          |          |          |          | $oldsymbol{\Box}$ |           |           |